

IN THE CLAIMS

Please cancel claims 1 and 14, and please amend claims 2-5, 7-11, 13, 15-23, 27-30, 44, and 49-51 as indicated below. All of the presently pending claims are reproduced below with the status of each claim indicated in parentheses.

1. (Cancelled).
2. (Currently Amended) The apparatus of claim + 24, wherein:
the one of the pool and the spa includes at least one wall; and
the at least one light source is supported by the at least one wall.
3. (Currently Amended) The apparatus of claim + 24, wherein:
the one of the pool and the spa includes a floor; and
the at least one light source is supported by the floor.
4. (Currently Amended) The apparatus of claim + 24, wherein the one of the pool and the spa has a range of typical liquid levels of the liquid during use, and wherein the at least one light source is disposed below the range of typical liquid levels.
5. (Currently Amended) The apparatus of claim + 24, wherein the at least one light source is adapted to be submersible in the liquid.
6. (Original) The apparatus of claim 5, wherein the at least one light source includes at least one waterproof surface.
7. (Currently Amended) The apparatus of claim + 24, wherein the at least one light source is adapted to generate radiation of different colors without requiring the use of a color filter.

8. (Currently Amended) The apparatus of claim + 24, wherein the at least one LED light source includes at least two differently colored LEDs.
9. (Currently Amended) The apparatus of claim + 24, wherein the at least one LED light source includes at least one red LED, at least one green LED, and at least one blue LED.
10. (Currently Amended) The apparatus of claim + 24, wherein the at least one LED light source includes at least two independently controllable LEDs.
11. (Currently Amended) The apparatus of claim + 24, wherein the at least one light source includes at least two independently controllable light sources.
12. (Original) The apparatus of claim 11, wherein the at least two independently controllable light sources include at least two independently addressable light sources.
13. (Currently Amended) The apparatus of claim + 24, wherein the at least one light source is adapted to generate a remotely controllable variable radiation output.
14. (Cancelled).
15. (Currently Amended) The apparatus of claim + 24, wherein the at least one microprocessor-based controller is adapted to control a color of the radiation output by the at least one light source.
16. (Currently Amended) The apparatus of claim + 24, wherein the at least one microprocessor-based controller is adapted to control an intensity of the radiation output by the at least one light source.
17. (Currently Amended) The apparatus of claim + 24, wherein:

the at least one microprocessor-based controller outputs at least one control signal to the at least one light source to control the radiation output by the at least one light source; and
the at least one control signal includes at least one pulse width modulated signal.

18. (Currently Amended) The apparatus of claim 14 24, wherein:

the at least one microprocessor-based controller outputs at least one control signal to the at least one light source to control the radiation output by the at least one light source; and
the at least one control signal includes at least one variable analog signal.

19. (Currently Amended) The apparatus of claim 14 24, wherein:

the at least one LED light source includes at least a first LED and a second LED, the first and second LEDs having different colors; and
the at least one microprocessor-based controller is adapted to control a first intensity of the first LED and a second intensity of the second LED.

20. (Currently Amended) The apparatus of claim 14 24, further comprising at least one storage device, coupled to the at least one microprocessor-based controller, to store at least one illumination program, wherein the at least one microprocessor-based controller is adapted to execute the at least one illumination program so as to control the radiation output by the at least one light source.

21. (Currently Amended) The apparatus of claim 14 24, wherein the at least one light source includes at least a first light source and a second light source, wherein the at least one microprocessor-based controller includes at least a first controller coupled to the first light source and a second controller coupled to the second light source, and wherein:

each of the first controller and the second controller is adapted to be independently addressable; and

the first controller and the second controller are coupled together to form a networked lighting system.

22. (Currently Amended) An apparatus, comprising:
one of a pool and a spa to contain a liquid;
at least one housing supported by the one of the pool and the spa; and
at least two independently controllable light sources, disposed in a single housing of the
at least one housing, to illuminate the liquid; and
at least one microprocessor-based controller, coupled to at least one of the at least two
independently controllable light sources, to control radiation output by the at least one of the at
least two independently controllable light sources.
23. (Currently Amended) An apparatus, comprising:
one of a pool and a spa to contain a liquid; and
at least one light source, supported by the one of the pool and the spa, to illuminate the
liquid, wherein the at least one light source is adapted to generate radiation of different colors
without requiring the use of a color filter; and
at least one microprocessor-based controller, coupled to the at least one light source, to
control radiation output by the at least one light source.
24. (Original) An apparatus, comprising:
one of a pool and a spa to contain a liquid;
at least one light source supported by the one of the pool and the spa to illuminate the
liquid; and
at least one microprocessor-based controller, coupled to the at least one light source, to
control radiation output by the at least one light source.
25. (Original) An apparatus, comprising:
one of a pool and a spa to contain a liquid;
at least one light source supported by the one of the pool and the spa to illuminate the
liquid;

at least one controller coupled to the at least one light source to control radiation output by the at least one light source; and

at least one storage device, coupled to the at least one controller, to store at least one illumination program,

wherein the at least one controller is adapted to execute the at least one illumination program so as to control the radiation output by the at least one light source.

26. (Original) An apparatus, comprising:

one of a pool and a spa to contain a liquid; and

a networked lighting system coupled to the one of the pool and the spa to illuminate the liquid, the networked lighting system comprising:

a first independently controllable light source supported by the one of the pool and the spa;

a first independently addressable controller coupled to the first independently controllable light source;

at least one other independently controllable light source supported by the one of the pool and the spa; and

at least one other independently addressable controller coupled to the at least one other independently controllable light source and the first independently addressable controller.

27. (Currently Amended) A method for illuminating a liquid, comprising an act of illuminating the liquid with radiation output simultaneously by at least two differently colored microprocessor-controlled LEDs.

28. (Currently Amended) A method for illuminating a liquid in one of a pool and a spa, comprising an act of illuminating the liquid in the one of the pool and the spa with radiation output by at least one microprocessor-controlled LED.

29. (Currently Amended) A method for illuminating a liquid in one of a pool and a spa, comprising an act of illuminating the liquid with radiation output by at least two independently controllable microprocessor-controlled light sources disposed together in a housing coupled to the one of the pool and the spa.

30. (Currently Amended) A method for illuminating a liquid, comprising an act of illuminating the liquid with radiation output by at least one microprocessor-controlled light source, wherein the at least one microprocessor-controlled light source is adapted to generate radiation of different colors without requiring the use of a color filter.

31. (Previously Presented) A method for illuminating a liquid, comprising an act of illuminating the liquid with substantially unguided radiation output by at least one microprocessor-controlled light source.

32. (Previously Presented) A method for illuminating a liquid, comprising an act of executing at least one illumination program to control substantially unguided radiation output by at least one microprocessor-controlled light source that illuminates the liquid.

33. (Original) A method for illuminating a liquid, comprising an act of illuminating the liquid with radiation output by at least two independently addressable light sources coupled together to form a networked lighting system.

34. (Original) An apparatus, comprising:
at least one light source adapted to be supported by one of a pool and a spa so as to illuminate with variable color radiation a liquid contained in the one of the pool and the spa; and
at least one controller, coupled to the at least one light source, to control at least one other device associated with the one of the pool and the spa based on the variable color radiation.

35. (Original) The apparatus of claim 34, wherein the at least one other device includes at least one accessory to operate the one of the pool and the spa, and wherein the at least one controller is adapted to control the at least one accessory based on the generation of a particular color of the variable color radiation.

36. (Original) The apparatus of claim 35, wherein the at least one accessory includes at least one blower to agitate the liquid contained in the one of the pool and the spa, and wherein the at least one controller is adapted to control the at least one blower based on the generation of a particular color of the variable color radiation.

37. (Original) The apparatus of claim 35, wherein the at least one accessory includes at least one heater to heat the liquid contained in the one of the pool and the spa, and wherein the at least one controller is adapted to control the at least one heater based on the generation of a particular color of the variable color radiation.

38. (Original) A method, comprising acts of:

- a) illuminating a liquid contained in at least one of a pool and a spa with variable color radiation; and
- b) controlling at least one device associated with the one of the pool and the spa based on the variable color radiation.

39. (Original) The method of claim 38, wherein the at least one device includes at least one accessory to operate the one of the pool and the spa, and wherein the act b) comprises an act of:
b1) controlling the at least one accessory based on the generation of a particular color of the variable color radiation.

40. (Original) The method of claim 39, wherein the at least one accessory includes at least one blower to agitate the liquid contained in the one of the pool and the spa, and wherein the act b1) comprises an act of:

controlling the at least one blower based on the generation of a particular color of the variable color radiation.

41. (Original) The method of claim 39, wherein the at least one accessory includes at least one heater to heat the liquid contained in the one of the pool and the spa, and wherein the act b1) comprises an act of:

controlling the at least one heater based on the generation of a particular color of the variable color radiation.

42. (Original) In a variable color illumination system capable of generating radiation having at least one hue in a non-liquid medium, the at least one hue including at least a first amount of red and a second amount of one other color in combination, a method for generating at least one liquid hue to illuminate a liquid, the at least one liquid hue, when viewed in the liquid, approximating the at least one hue in the non-liquid medium, the method comprising an act of:

including a third amount of red in the at least one liquid hue, the third amount of red being greater than the first amount of red included in the at least one hue.

43. (Original) A method for generating at least one dynamic variable color illumination effect to illuminate a liquid, comprising an act of:

omitting a red color from the at least one dynamic variable color illumination effect.

44. (Currently Amended) The apparatus of claim + 25, wherein the apparatus is configured such that the at least one light source is capable of illuminating the liquid with substantially unguided radiation.

45. (Previously Presented) The apparatus of claim 24, wherein the apparatus is configured such that the at least one light source is capable of illuminating the liquid with substantially unguided radiation.

46. (Previously Presented) The apparatus of claim 24, wherein the at least one light source includes at least one LED.

47. (Previously Presented) The apparatus of claim 24, further including a housing to enclose the at least one light source and the at least one microprocessor-based controller.

48. (Previously Presented) The apparatus of claim 47, wherein the housing is supported by the one of the pool and the spa.

49. (Currently Amended) The method of claim 27, wherein the act of illuminating the liquid with radiation output simultaneously by at least two differently colored microprocessor-controlled LEDs includes an act of illuminating the liquid with substantially unguided radiation output simultaneously by at least two differently colored microprocessor-controlled LEDs.

50. (Currently Amended) The method of claim 28, wherein the act of illuminating the liquid in the one of the pool and the spa with radiation output by at least one microprocessor-controlled LED includes an act of illuminating the liquid in the one of the pool and the spa with substantially unguided radiation output by at least one microprocessor-controlled LED.

51. (Currently Amended) The method of claim 28, wherein the act of illuminating the liquid in the one of the pool and the spa with radiation output by at least one microprocessor-controlled LED includes an act of illuminating the liquid in the one of the pool and the spa with radiation output by at least one microprocessor-controlled LED supported by the one of the pool and the spa.